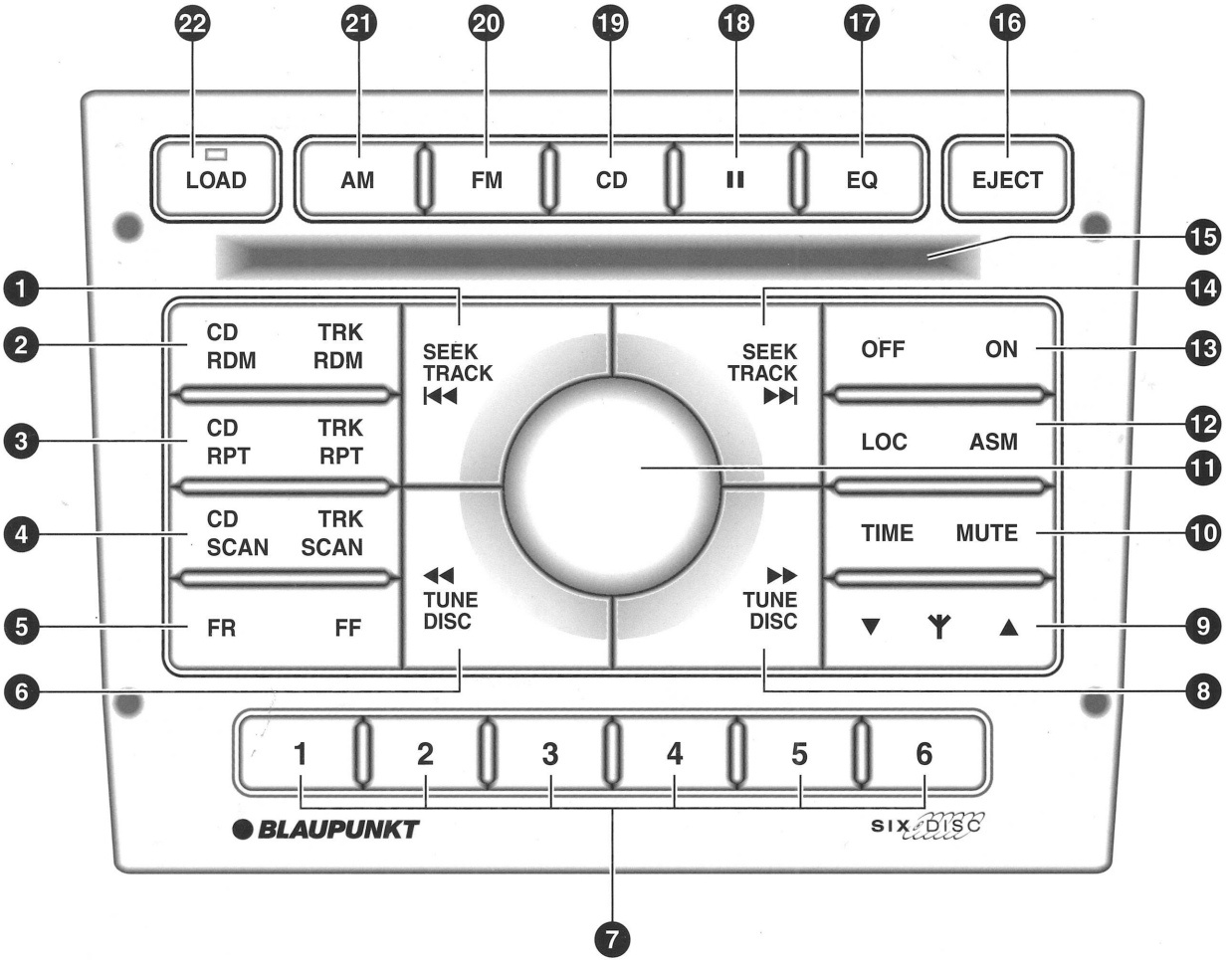
AUDIO

Blaupunkt AM FM Radio / In-Dash CD Changer With Personal Identity Key

HOLDEN


22
21
20
19
18
17
16
LOAD
AM
FM
CD
II
EQ
EJECT
15
1
14
2
CD RDM
TRK RDM
SEEK TRACK
SEEK TRACK
OFF
ON
13
3
CD RPT
TRK RPT
LOC
ASM
12
11
4
CD SCAN
TRK SCAN
TIME
MUTE
10
5
FR
FF
TUNE DISC
TUNE DISC
9
6
8
1
2
3
4
5
6
BLAUPUNKT
SIX DISC
7

AIRBAG
23
24
25
26
27
28

Overview

Controls

No.	Function
1	Radio Mode: Station seek (down) CD Mode: Previous Track
2	CD Mode: Random Disc Play CD Mode: Random Track Play
3	CD Mode: CD Repeat CD Mode: Track Repeat
4	CD Mode: CD Scan CD Mode: Track Scan
5	CD Mode: Track cue / review
6	Radio Mode: Manual frequency select (down) CD Mode: Previous disc select
7	Radio Mode: Memory preset station select / store CD Mode: Direct Disc Select 1 to 6
5	Radio Mode: Manual frequency select (up) CD Mode: Next Disc Select
9	Electric antenna height adjustment
10	Clock & Calendar Display / Adjust Mute volume
11	Volume control Push: Bass / Treble / Fader / Balance / Loudness adjustment
12	Local / Distance search sensitivity Automatic Station Memory storage
13	Power Off / On
14	Radio Mode: Station seek (up) CD Mode: Next Track
15	Disc load / remove slot
16	CD Eject button
17	Equalizer On / Off / Setting
18	CD pause button
10	CD source button
20	FM source button
21	AM source button
22	CD Load Button Security Indicator Light CD Mode: Load and Eject Indicator Light

Steering Wheel Remote Controls

No.	Symbol	Function
23	MODE	Source select: CD / FM1 / FM 2 / AM / CD etc.
24	▲ NEXT	Radio Mode: Next preset station CD Mode: Next track CD Mode: Push and hold: Next disc
25	NEXT ▼	Radio Mode: Previous preset station CD Mode: Previous track CD Mode: Push and hold: Previous disc
26	MUTE	Mute Volume
27	▲ VOL	Increase Volume
28	VOL ▼	Decrease Volume

CONTENTS

IMPORTANT INFORMATION

Security Code 3
Setting the Clock & Calendar 3
Information Display 4
Security Release Procedure 4
Switching On / Off 5
Personal Identity Keys 5
Source (Mode) Selection 6

AUDIO SETTINGS

Volume 6
Bass 6
Treble 6
Independent Tone Memories 6
Fader 6
Balance 7
Equalizer Function 7
Loudness Contour Circuit 7
Mute 7

RADIO OPERATION

Radio Display 8
Selecting a Waveband 8
Manual Tuning 8
Automatic Seek Tuning 8
Local / Distance Selector 8
Storing Stations 9
Recalling Stored Stations 9
Automatic Radio Station Memory (ASM) 9
Antenna Information 9
Radio Reception 10

CD CHANGER OPERATION

CD Display 12
Loading a CD 12
Ejecting a CD 13
Playing CDs 13
Stopping a CD 13
Disc and Track Selection 14
CD Scan, CD Repeat, CD Random 14
Track Scan 14
Track Repeat, Track Random 15
Error Messages from the CD Changer 15
Notes on Compact Discs 16

REMOTE CONTROL

Steering Wheel Remote Controls 17

ADDITIONAL FEATURES

Confirmation Beeps 18
Speed Dependent Volume (SDV) 18
Dynamic Distortion Limiting (DDL) 18
Options Menu Adjustment 19
Master Reset 19
Car Telephone 20

IMPORTANT INFORMATION

Security Code

Your radio includes an electronically coded security system. This electronically links the radio to your car. Under normal circumstances you will be unaware of it's operation and shouldn't need to take any action to enable the radio to work, even if the car's battery has been disconnected and re-connected.

If for some reason the electronic link is disrupted, the radio will prompt you for a 4-digit PIN code to be entered. This number is printed on the Security Card located in the glovebox (together with your Owner's Handbook).

Because the PIN code is the only means of enabling operation of the radio if it prompts you for a code (and would allow the radio to be used if stolen), we recommend that the Security Card is kept in a safe place and NOT IN THE GLOVEBOX OF YOUR CAR.

If your card is lost, and the PIN code is not recorded elsewhere, the PIN can be requested from your Holden Retailer after supplying the relevant proof of ownership. There may be a charge for this service.

Please refer to the Security Release Procedure, on page 4, for how to enter the PIN code.

Security Indicator Light 22

Please Note:

For added security a small red light on the radio blinks while the ignition is off.

Setting the Clock & Calendar

Please Note:

The clock and calendar can be adjusted when the radio is either on or off.

Adjust the clock and calendar as follows:

1. Press and hold the **TIME** button 10 for more than 2 seconds. The display will show the time and date. The hours will flash.
2. Adjust the hours using the SEEK TRACK ⏮ 1 and SEEK TRACK ⏭ 14 buttons.
3. To adjust the minutes press the **TIME** button 10 once more.
4. Adjust the minutes using the SEEK TRACK ⏮ 1 and SEEK TRACK ⏭ 14 buttons.
5. Repeat this procedure until the year, month and date are set.
6. To exit this mode press the **TIME** button 10 once more.

Please Note:

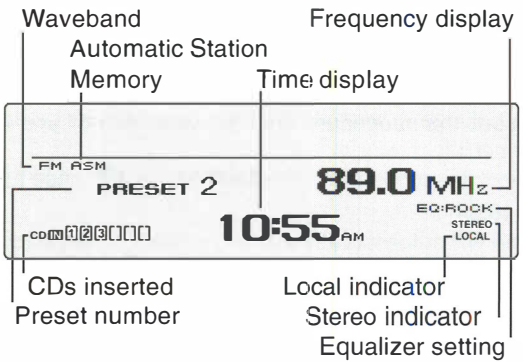
The radio will automatically exit this mode if no adjustments are made for 8 seconds.

IMPORTANT INFORMATION

Information Display

All of the relevant information for radio and CD can be found on the car´s Information Display located on the dashboard above the centre vents. Some radio information may also be shown on the main trip computer display. Refer to the relevant section of the Owner´s Handbook for further information.

The calendar can be temporarily displayed by pressing the **TIME** button ⑩.



Security Release Procedure

1. Turn the ignition switch to the accessories position.
2. Switch on the radio, if turned off.
3. The display shows 'CODE 1 – – – –'.
4. Use the preset buttons to enter the PIN code.

Example:

If the PIN code belonging to the radio is 3651.

Preset Button	Display
Press preset button [3]	3 – – –
Press preset button [6]	3 6 – –
Press preset button [5]	3 6 5 –
Press preset button [1]	3 6 5 1

If a wrong PIN code is entered the display will show 'CODE ERROR WAIT'.

After a few seconds 'CODE 2 – – – –' will be shown on the display indicating that this is the second attempt. The correct code should now be entered. After three attempts the display will show 'ONE HOUR LOCK–OUT'.

After about one hour the radio will allow another three attempts to enter the PIN.

Switching On / Off

OFF / ON 13

Switch the radio off and on by pressing the **OFF/ON** button 13

On / Off (Using ignition key)

The radio can operate when the ignition key is turned to the Accessories postion. When the car´s Accessories Control is turned off by turning the ignition key off (and opening the drivers door - refer Vehicle Owner´s Handbook for further details) the radio (if operating) will be switched off. When the key is switched to the Accessories position again, the radio will also be switched on.

On / Off (Without ignition key)

The radio can also be switched on and off without using the car's ignition key by pressing the **OFF / ON** button 13. The radio will operate for approximately 1 hour. Once this period has elapsed the radio automatically switches off and will not operate until the **ON** button 13 is pressed again, or the ignition key is in the Accessories or Ignition position.

On / Off when Accessories or Ignition is on

When the ignition key is in the Accessories or Ignition position the radio can be turned on (if off) with the following buttons:

- **ON** button 13
- **CD** button 19
- **FM** button 20
- **AM** button 21
- CD **LOAD** button 22
- **MODE** button 23 on steering wheel remote control

Personal Identity Keys

Memory 1 and Memory 2

This radio features Personal Identity Memories, which provides two different memories of electronic settings for different ignition keys. Refer to your Owner's Handbook for information about other adjustable features, e.g. Climate Control settings.

For the sound system the following settings are individually memorised by the key system and become unique to the particular key:

- Radio On or Off
- Last used Volume level
- Last used Mode (AM, FM or CD)
- FM1, FM2, AM, FM ASM, AM ASM – Radio Memory Presets
- Power antenna height
- Bass, Treble and Loudness settings
- Speaker Balance and Fader settings
- Additional features listed on page 18
- Equalizer and Boost settings
- Telephone - Volume, Bass, Treble, Fader and Balance settings (if a suitable mobile telephone handsfree kit is connected to the audio system)
- CD track and disc settings

When entering the Radio Memory Presets for the first time they will be automatically stored for both Personal Identity Keys. If these presets are later changed when using a different Personal Identity Key, they will become specific for that key only, and so from that point on will be unique to that key.

Source (Mode) Selection

The radio mode can be selected by any of the following actions:

- Pressing the **ON** button 13 if the previously played source was radio.
- Pressing the **FM** button 20.
- Pressing the **AM** button 21.
- Pressing the remote control **MODE** button 23.

The CD mode can be selected by any of the following actions:

- Pressing the **ON** button 13 if the previously played source was CD.
- Pressing the **CD** button 19 if the radio is on.
- Pressing the **LOAD** button 22 to load a CD if the radio is on.
- Pressing the remote control **MODE** button 23.

Audio Settings

Volume

Turning the knob 11 clockwise will increase the volume, turning it anti-clockwise will decrease the volume.

Bass

Press the audio selector (Volume knob) 11 once, to select the Bass mode. This will be confirmed on the display by 'BASS' and the current setting. While in this mode, turn the selector knob clockwise or anti-clockwise to adjust the bass to the desired level. After several seconds the display will return to the former mode.

Treble

Press the audio selector (Volume knob) 11 twice, to select the Treble mode. This will be confirmed on the display by 'TREBLE' and the current setting. While in this mode, turn the selector knob clockwise or anti-clockwise to adjust the treble to the desired level. After several seconds the display will return to the former mode.

Please Note:

If the equalizer is turned on, BASS and TREBLE will be replaced by BOOST in the audio menu (refer to 'Equalizer Function' on page 7).

Independent Tone Memories

This radio is equipped with Independent Tone Memories. Bass and Treble can be independently set for each listening mode such as AM, FM, CD and Telephone.
After all individually preferred tone settings have been stored, while using one particular ignition key, the same procedure can be repeated with different settings while the other ignition key is used.

Fader

To shift sound towards the rear or front press the audio selector (Volume knob) 11 several times until 'FADER' and the current setting are displayed. While in this mode, turn selector knob clockwise or anti-clockwise to shift the sound towards the front or rear. After several seconds the display will return to the former mode.

Balance

To shift the sound towards the right or the left press the audio selector (Volume knob) 11 several times until 'BALANCE' and the current setting are displayed. While in this mode, turn selector knob clockwise or anti-clockwise to shift the sound towards the right or left. After several seconds the display will return to the former mode.

Equalizer Function 17

The radio is equipped with five pre-programmed equalizer curves. Each of these curves have been factory programmed to tonally enhance a particular style of music, however it may be used with any type. To turn this function on or off, or to scroll through the five EQ curves, press the **EQ** button 17 one or more times.

The five pre-programmed settings are:

- Rock
- Pop
- Jazz
- Classic
- Vocal

and off.

When the equalizer is in use, the Bass and Treble controls are deactivated.

Equalizer Off

The equalizer function can be turned off by pressing the **EQ** button 17 one or more times until 'EQ: OFF' appears on the display. It can also be turned off by pressing and holding the **EQ** button 17, for more than two seconds. The previously used Bass and Treble settings will then be restored.

Equalizer Boost

While any equalizer style (e.g. Rock, Pop, etc.) is being used, the amount of enhancement of that style can be altered. Press the volume knob 11 once. 'BOOST' will be shown on the display together with the current setting. Five levels of boost are available (-2, -1, 0, +1, +2). While in this mode turn the volume knob 11 clockwise or anti-clockwise to alter the level of boost.

Please Note:

Different amounts of boost can be set for each of the five EQ curves.

Loudness Contour Circuit

A user selectable loudness contour circuit, to enhance the Bass and Treble response at low volume levels, can be activated if you feel that the sound systems needs more bass and treble at low listening levels.

To activate, select Bass or Treble by pressing the Audio Selector (Volume knob) 11. While 'Bass' or 'Treble' is being shown on the display, press the **LOC** button 12 until 'LOUDNESS ON' appears on the display.

Please Note:

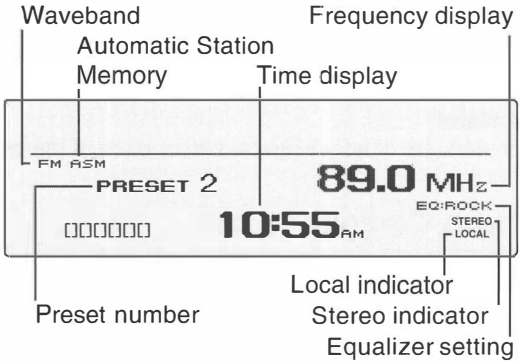
If the EQ function is on, the loudness contour cannot be altered. Refer to the 'Equalizer Function' section on this page for information on how to turn the EQ function off.

MUTE

The **MUTE** button 10 instantly reduces the volume of the radio by a large amount (20 decibels). Mute can be cancelled by pressing the button again, increasing the volume using either the remote control ▲ VOL button 27 or the radio volume knob 11, or turning the radio off and on.

Radio Operation

Radio Display



Selecting a Waveband

By pressing the **AM** button (21) **or FM** button (20) respectively one AM and two FM bands (FM1 & FM2) can be selected. The chosen band will be confirmed on the display. If the ASM mode is being used ('ASM' appears on the display), then one AM band and one FM band can be selected. For further information on the ASM mode, refer to the 'Automatic Radio Station Memory' section on page 9.

Stereo Broadcast

When a stereo broadcast is received in FM, 'STEREO' appears on the display. If the radio signal becomes weak the radio automatically switches to mono but 'STEREO' may still be shown on the display.

Manual Tuning

Pressing the TUNE DISC button (8) or the TUNE DISC button (8) will tune up or down the frequency band. The frequency will change in steps of 9 kHz for AM and 0.1 MHz for FM.

Automatic Seek Tuning

This function seeks radio stations automatically. Pressing the the SEEK TRACK button (14) will automatically select the next higher frequency radio station. Pressing the SEEK TRACK button (1) will automatically select the next lower frequency radio station. As the radio can search weak and noisy distant radio stations, it is recommended to switch the radio to LOCAL mode unless no strong stations can be found (see 'Local/ Distance Selector').

Local / Distance Selector (12)

The LOCAL function reduces the radio's seek sensitivity in AM and FM modes. This will cause the SEEK tuning to stop only on stations with strong signals.
When the LOCAL function is on, 'LOCAL' will be shown on the display. If you are performing a SEEK function in an area where few or no stations can be found with LOCAL on, you may choose to turn LOCAL off so weaker stations may also be found.
When LOCAL is turned off, the radio's treble is reduced slightly to help reduce the high frequency noise normally found with weak signals from distant radio stations. For the best possible sound quality, it is recommended to keep the LOCAL function turned on when listening to strong local stations.

Please Note:
The Local / Distance selector has no effect when the ASM search feature is being used.

Storing Stations

Storage locations for 30 stations are available.

- 6 x FM1
- 6 x FM2
- 6 x AM
- 6 x FM ASM
  (Automatic Store Memory FM Stations)
- 6 x AM ASM
  (Automatic Store Memory AM Stations)

Storing a Radio Station into a Preset

1. Select the required waveband, AM, FM1 or FM2 using the **AM** 21 or **FM** 20 buttons.
2. Tune to the desired station by means of:
   • Automatic seek tuning or
   • Manual tuning
3. Press and hold the desired preset button **1** to **6** 7 until the selected preset number is displayed. The radio is briefly muted or a beep is heard (if beeps are turned on, refer to section headed 'Confirmation Beeps' on page 18 of this handbook), indicating that the chosen radio station is stored into the preset. The previously stored station is replaced. The selected preset number '1' to '6' appears on the display.
4. Program the other preset buttons in the same way.
5. Repeat the same procedure for the other wavebands AM, FM1 and FM2.

Recalling Stored Stations

Select a waveband, AM or FM.

Briefly press the desired preset button **1** to **6** 7.

To select one of the stations stored with Auto-Store, select the AM or FM waveband, then briefly press the **ASM** button 12. Now press the desired preset button.

Automatic Radio Station Memory (ASM) 12

This feature allows the storage of an extra 6 AM and 6 FM radio stations. It is of great benefit when travelling long distances, such as on holidays, as the strongest radio stations can be stored without knowing their frequency. This does not delete the stations already stored on FM1, FM2 or AM.

Programming by Automatic Storing

1. Select the desired waveband with the **FM** 20 or **AM** 21 buttons.
2. Press the **ASM** button 12 for at least two seconds until the sound is briefly muted or a beep is heard (if Confirmation Beeps are turned on, see page 18 of this handbook). Search tuning starts and 'SEARCHING' appears on the display.

After the Auto-Store process has finished, the six strongest stations found in the area are stored. The radio will play the station stored on preset 1.

If you have travelled beyond the range of the stored stations, you may wish to repeat the process again to store new stronger stations.

To alternate between the ASM radio stations and your normally stored radio stations (on FM1, FM2 or AM), briefly press the **ASM** button 12.

Whenever you are using the AM ASM or the FM ASM bands, 'ASM' will also be shown on the display.

You can also store stations manually in the ASM storage locations (see 'Storing a Radio Station into a Preset' on this page).

Antenna Information

For best radio reception it is recommended to have the antenna fully extended, however, when in areas with low tree branches etc., lowering the antenna will reduce the chance of the antenna mast being bent or damaged.

Electric Antenna Height Control 9

With this button the electric antenna height can be adjusted while in AM or FM mode. When the radio is off or in CD mode, the antenna is automatically lowered. When next switching to AM or FM mode the antenna will rise to the last used height.
A different antenna height can be memorised for each Personal Identity Key. Set the preferred height using the Antenna Height Control button 9 while each key is in use.

Please Note:
To maintain performance, the antenna should be periodically cleaned with a soft cloth, water and a mild detergent. This not only helps the antenna to retract but also aids radio reception. If the antenna becomes bent or broken, it is suggested to have a replacement mast fitted by your Holden Retailer. Replacement of bent or broken antennas may not be covered under warranty.

FM Diversity Antenna System

Your radio is fitted with a second antenna system incorporated on the rear window of the car, just above the demister elements. It is used whenever multipath distortion is detected on the front mast antenna (refer to 'Peculiarities of FM Mobile Reception', on page 11). The radio monitors the amount of multipath and switches between antennas to maintain better reception.
For correct operation, the front antenna should be fully extended so that similar signal levels will be received from both antennas. If the front mast antenna is retracted, there may be some unusual variation in the treble quality noticed in some areas.

Please Note:

- The diversity antenna elements in the rear window are similar to those used in the demister pattern and a similar amount of care must be taken when cleaning the inside of the rear window.
- Other antennas, such as mobile phone antennas, should not be placed directly over the diversity antenna pattern to avoid interference or blocking of the signal to the diversity antenna.
- If the signal at both antennas is of poor quality an improvement cannot be expected.

Radio Reception

Due to varying reception locations, car radios have performance limitations that may on occasions create the impression that your radio is malfunctioning. To assist you in understanding what can be expected from your radio, we have set out below how reception may vary from time to time and under certain conditions.

AM and FM

There are two types of radio broadcasts in Australia, AM or Amplitude Modulation in which the amplitude of the signal is varied to produce the sound and FM or Frequency Modulation in which the frequency is varied to produce the sound.

Range

AM broadcasts tend to follow the earth's curvature and also reflect from the upper atmosphere, which enables long range reception, especially after sunset.
FM transmissions are basically line-of-sight (similar to TV signals) and are reflected by buildings, mountains etc., but not by the upper atmosphere.

Interference

Interference is caused by either natural or man made electrical disturbances. This can affect the amplitude of the signal being received. AM signals are more prone to this type of interference than FM signals. This type of interference has little or no effect on the frequency of the received signal, thus AM is susceptible to interference from power lines, fluorescent lighting, neon signs, traffic light control circuits, overhead tram wires and electrical storms. With FM reception, these amplitude variations are filtered out, leaving a relatively clear signal, (refer to 'Peculiarities of FM Mobile Reception') making this one of the major advantages of FM broadcasts.

Peculiarities of FM Mobile Reception

A mobile FM receiver cannot be expected to continously provide the quality of FM reception you may have experienced on your home receiver. Contrary to popular opinion, FM broadcasts are not static free, and although your radio has a built-in electronic interference absorption circuit, some static will be evident from time to time, especially in areas without a direct line of sight to the transmitter.
There are two phenomena peculiar to FM reception:

- **Flutter** - As FM signals reflect off solid objects, it is possible to pass through areas of 'shadow' caused by tall buildings and/or hilly terrain, which effectively blocks out the signal. As the car passes in and out of shadow areas, the level of signal will vary at a rapid rate, creating a flutter type of interference to the signal.
- **Distortion (Multipath)** - Distortion may occur when the direct signal from the transmitter and a reflected signal reach the antenna at the same time and either cancel or aid each other, like ghosting on a TV. This results in intermittent distortion of the signal whilst moving or constant distortion when stationary, such as at a traffic light or when parked. Should this distortion occur while stationary, moving the car approximately 1 or 2 metres would on most occasions correct the problem. To reduce this effect your car is fitted with an 'FM Diversity' radio which uses two FM antennas (Refer to 'FM Diversity Antenna System' on page 10).

To reduce the effects of interference and/or poor signal strength, several features have been included within the radio which work automatically when needed:

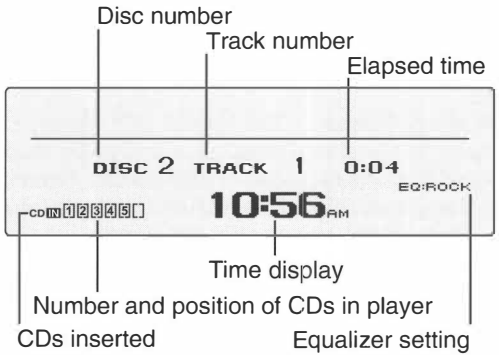
- **Noise Blanking Circuit** (FM interference suppression) To reduce pulse interference, a Noise Blanking Circuit is included.
- **Soft Muting Circuit -** The built-in Soft Muting Circuit will reduce the FM stereo separation and treble response if the signal from the radio station diminishes. This effectly lessens the amount of audible hiss and background noise that is usually heard with weaker FM signals.
- **Multipath Detection Circuit -** If repeated multipath signals are received the circuitry will switch the radio into MONO mode and slightly reduce the treble response. It will gradually return to STEREO with full treble response when multipath conditions are no longer being experienced.

CD Changer Operation

The CD Changer holds up to six CDs at one time. The Changer is built into the radio and CDs are loaded through the single slot (15) on the front face of the radio, after pressing the **LOAD** button (22) (refer to Loading CDs on this page).

Please Note:
The CD Changer is designed for standard 12 cm CDs only. Using incorrect sized CDs (e.g. 8 cm or 3 inch CDs) may damage the Changer or disc, even if an adapter is used.

CD Display



CD Display Symbols

The display shows a **CD IN** symbol and six square boxes that represent the six CD storage locations within the CD Changer. When a storage location within the CD Changer has no disc loaded, it's box is empty. When a CD is loaded into the Changer a number turns on inside the box to show there is a CD loaded in that storage location.

When a CD is playing, it's number icon flashes.

Loading a CD

To load a CD into the CD Changer, briefly press the **LOAD** button (22). When the Changer is ready to accept the CD, 'INSERT DISC' will be displayed.

The Load Indicator Light (22) will flash green, and the radio will beep twice (if beeps are turned on, see page 18 of this handbook). Insert the CD with the label surface facing upwards, into the CD slot (15) until the mechanism pulls the CD inside and it begins to play.
The LOAD function can be cancelled by briefly pressing the EJECT button (16), turning the radio OFF, or it will automatically cancel if no disc has been inserted for 10 seconds after the 'INSERT DISC' message is displayed.

Loading all CDs

A function has been included to allow the loading of up to six CDs without having to repeatedly press the **LOAD** button.
To start the 'LOAD ALL DISCS' function, push and hold the **LOAD** button 22 for more than 2 seconds until a beep is heard (if beeps are turned on, see page 18 of this handbook) and the display shows 'LOAD ALL DISCS'. The display, beeps and Load Indicator Light 22 will prompt you when it is time to insert each CD.
This function will be cancelled automatically when no CD has been inserted for 10 seconds, by briefly pressing the **EJECT** button 16, or turning the radio OFF.

Please Note:
It is possible to insert and load CDs while the car´s ignition key is turned off. The radio will turn off after loading the CDs.

Ejecting a CD

To remove the currently selected CD, briefly press the **EJECT** button 16. When the CD is ready for removal from the CD slot 15, 'REMOVE DISC' will be displayed. The Eject Indicator Light 22 will flash green and the radio will beep (if beeps are turned on, see page 18 of this handbook).
If you wish to eject a CD that is not currently playing, briefly press the **EJECT** button 16 followed by the corresponding preset button **1** to **6** (7) of the desired CD location within 2 seconds.

The EJECT function can be cancelled by briefly pressing the **LOAD** button 22 or turning the radio OFF.

Please Note:
If an ejected CD is not removed within 10 seconds, it will be automatically reloaded to protect it from accidental damage.

Ejecting all CDs

All CDs within the CD Changer can be ejected by pushing and holding the **EJECT** button 16 for more than 2 seconds until 'EJECTING ALL DISCS' appears on the display and a beep is heard (if beeps are enabled, see page 18). The display, beeps and Eject Indicator Light 22 will prompt you when it is time to remove each CD.

The 'EJECTING ALL DISCS' function can be cancelled by briefly pressing the **LOAD** button 22, or turning the radio OFF.

Please Note:
It is possible to eject one or more CDs when the car´s ignition key is off, but the radio will switch off after removing the CD(s).

Playing CDs

- Press the **ON** button 13 if the previous mode was CD.
- Press the **CD** button 19 if the car´s accessories or ignition is on.
- Press the **MODE** button 23 on the steering wheel remote controls until CD mode is selected.
- Press the **CD** button 19 if the car´s accessories or ignition is on to turn on the radio in CD source.

Stopping a CD

Press the **FM** 20 or **AM** button 21 to stop CD playback and resume in radio mode, or press the **OFF** button 13.

Pausing a CD

Press the ▮▮ (Pause) button 18 to pause the CD playback. 'CD PAUSED' will be shown on the display. Press it again to continue playing the CD.

CD Endless Playback

When the player reaches the end of a CD it automatically loads and plays the next CD. If no other CD is available, it returns to the start and plays the current CD.

Disc Selection

When more than one disc has been loaded into the CD Changer, you can select which one to play by the following methods:

- Briefly press a preset button **1** to **6 (7)** to directly select which disc number to play. Preset button 1 plays disc 1, preset button 2, plays disc 2 etc.
- Briefly press the TUNE DISC button **8** to select the next disc.
- Briefly press the TUNE DISC button **6** to select the previous disc.
- Press and hold the NEXT button **24** on the Steering Wheel Remote Control for 2 seconds or more to select the next available disc.
- Press and hold the NEXT button **25** on the Steering Wheel Remote Control for 2 seconds or more to select the previous disc in the CD Changer.

Track Selection

Press the SEEK TRACK button **14** to go on to the next track of the current CD, or press repeatedly until the desired track is reached.

Press the SEEK TRACK button **1** to go back to the start of the current track, or press repeatedly until the desired track is reached.

Fast Forward / Fast Back (Track Cue / Review)

Press the **FF** or **FR** button **5** to rapidly move forward or backward within the current track.

CD Scan

Press the CD SCAN button **4** to play the first 10 seconds of the first track on each disc in the CD Changer.

To cancel this function, press the CD SCAN button **4** again.

CD Repeat

Press the CD RPT button **3** to replay the current disc. When the player reaches the end of the CD, it will automatically begin again at the start instead of changing to the next CD.

To cancel this function, press the CD RPT button **3** again.

CD Random

Press the CD RDM button **2** to randomly play all tracks on all the CDs in the Changer.

To cancel this function, press the CD RDM button **2** again.

If the buttons TUNE DISC **8** or SEEK TRACK **14** are pressed whilst in random play mode, the next random selection will be made immediately.

Track Scan

Press the TRK SCAN button **4** to play the first 10 seconds of each track on the current CD.
Press it again to cancel Track Scan and listen to the current track.

Track Repeat

Press the TRK RPT button 3 to replay the current track continuously.
Press it again to cancel Track Repeat.

Track Random

When this feature is selected, all tracks on the current CD will be played in random order.

To select Random Play, press TRK RDM button 2 during CD playback.

To cancel Random Play press the TRK RDM button 2 again.

If the SEEK TRACK ⏭ 14 button is pressed whilst in random play mode, the next random selection will play.

CD Changer Memory

Under severe vibration, the CD laser may not be able to maintain the extremely precise focus needed to read the tiny pits on the surface of the CD. When the laser focus is temporarily lost, the data being read from the CD will also be temporarily interrupted. Your CD Changer is therefore fitted with a memory buffer that holds approximately seven seconds of music which is used to prevent interruption over severely bumpy surfaces. Should the severe vibration last for longer than seven seconds, the memory buffer may become empty and playback will be interrupted or stop until the mechanism has time to refocus, read the disc and refill the memory buffer. This situation should very rarely occur under normal driving conditions.

Playing recordable CDs (CD-Rs or CD-RWs)

It is possible to play CD-Rs on this radio, however, depending on the type/condition of the recording equipment and the blank disc used, some CD-Rs may not play consistently or at all. CD-RWs (rewritable CDs) are not compatible with this unit and will not play.

Error Messages from the CD Changer

In some cases the Changer may have problems playing, loading, or ejecting some CDs. If this happens, one of the following error messages may appear on the display:

1. 'CD ERROR MECH': A CD may be stuck in the Changer and cannot be played, loaded or ejected, or there may be some other problem with the player that requires attention.

2. 'CD ERROR MECH': The Changer mechanism is too hot. Allow it to cool down before resuming operation.

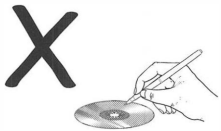
3. 'CD PLAY ERROR': A CD cannot be read. Check if the CD has been loaded upside down (the label surface should be facing upwards). This message may also be displayed if a CD is dirty or scratched. Inspect the CD surface for problems and clean if necessary.

The player will switch to radio mode after displaying the error message for several seconds.
Consult your Holden Retailer if an error message keeps occurring.

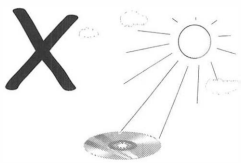
Notes on Compact Discs

- Handle the CD by its edge and avoid touching the playing surface.

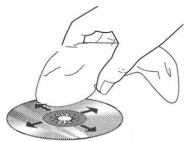
- Do not stick paper labels, tape etc., or write on either surface.



- Do not expose the CD to direct sunlight or a heat source such as a hot air duct, for prolonged periods.



- Before inserting a CD into the player, check the playing surface and clean with a suitable cleaning cloth. Wipe the CD from the centre outwards, rather than in a circular motion. See diagram opposite.



- Do not use solvents such as petrol, thinners etc. Use commercially available CD cleaners.

Steering Wheel Remote Controls

To increase driving safety and improve ease of operation, some of the radio functions can be controlled by the remote controls on the steering wheel.
The following functions are available (illustration: see fold-out page at the start of this handbook):

Overview

No.	Symbol	Function
23	MODE	Source select: CD / FM1 / FM2 / AM / CD etc.
24	▲ NEXT	Radio Mode: Next preset station CD Mode: Next track CD Mode: Push and hold: Next disc
25	NEXT ▼	Radio Mode: Previous preset station CD Mode: Previous track CD Mode: Push and hold: Previous disc
26	MUTE	Mute Volume
27	▲ VOL	Increase Volume
28	VOL ▼	Decrease Volume

Volume Adjustment

The ▲ VOL button 27 or VOL ▼ button 28 adjusts the volume up or down respectively. The buttons can either be pressed and held until the desired volume is reached, or briefly pressed several times to raise or lower the volume gradually.

MUTE

The **MUTE** button 26 instantly reduces the volume of the radio by a large amount (20 decibels). Mute can be cancelled by pressing the button again, increasing the volume using either the remote control ▲ VOL button 27 or the radio volume knob, or turning the radio off and on.

Mode Selection

Press the **MODE** button 23 to turn the radio on (when the ignition key is in the Accessories or Ignition position) or scroll through all of the sources in the following order:
FM1– FM2 – AM – CD – FM1 etc.
Or, if the 'ASM' indicator is shown on the display:
FM ASM – AM ASM – CD – FM ASM etc.
Briefly press the **ASM** button 12 to switch between ASM and normal radio bands.

Preset Station Select or CD Track/Disc Select (▲ NEXT or NEXT ▼)

Briefly pressing the ▲ NEXT button 24 on the steering wheel remote will perform the following functions:

- Radio – Cycles through the stored radio stations on the current AM or FM band in increasing preset number.
- CD – Advances to the next track on the CD.

Pushing and holding this button for two seconds or more advances the CD Changer to the next disc.

Briefly pressing the NEXT ▼ button 25 on the steering wheel remote will perform the following functions:

- Radio – Cycles through the stored radio stations on the current AM or FM band in decreasing preset number.
- CD – Returns to the start of the current track, or previous track if less than one second has been played.

Pushing and holding this button for two seconds or more selects the previous disc in the CD Changer.

Additional Features

Please Note:
The features discussed below can also be adjusted through the car´s Option Menu that appears in the centre display of the instrumental panel when ignition is turned on. Refer to the car´s Owner Handbook for further information (note that only one method of Option adjustment can be used at a time).

Confirmation Beeps

Audible beeps are used to confirm various actions of the radio such as storing a radio station. The beeps can be turned on or off using the Options Menu. See 'Options Menu Adjustment' section on page 19.

All Beeps On: The radio will make a beep sound when storing radio stations, when it is time to insert or remove a CD from the CD Changer, or to confirm the LOAD ALL or EJECT ALL functions have started.

CD Beeps Only: The radio will make a beep sound when it is time to insert or remove a CD from the CD Changer.

Beeps Off: No beeps are made by the radio.

Speed Dependent Volume (SDV)

The SDV system adjusts the radio volume depending on the car's speed. As the car's speed increases, the volume of the radio also increases to compensate for the driving noise.

Please Note:
This feature will never completely compensate for the driving noise. There are other variable factors such as road surface, wind noise, windows open, engine speed etc., that may alter the interior noise for any given road speed.
For this reason there are five different levels of compensation available to allow you to find one that best suits your average driving conditions.
You can select the compensation rates between 0 (off) and 5 (maximum compensation) in the Options Menu. See 'Options Menu Adjustment' section on page 19.

Dynamic Distortion Limiter (DDL)

Your radio is fitted with a system that limits the amount of amplifier distortion that you can hear. When this feature is turned on it continuously monitors the quality of the signal to the speakers. When the signal distortion exceeds preset limits, the radio will automatically limit or reduce the volume until the distortion is minimised. The system is dynamic so that it is always monitoring the sound to try to deliver the selected volume level without distortion. Under some circumstances distortion may be heard for a very short time until the system has taken the necessary steps to limit it.

Please Note:
The main source of distortion in music is the low frequency bass caused by drums or large instruments. Tracks that feature very strong bass may trigger the distortion limiting system which will then reduce the volume to minimise the distortion. Increasing the Bass control 11 or EQ Boost control 11 may also result in a reduced volume level due to the emphasised bass. If desired, the DDL can be turned off in these circumstances so that the radio will deliver a higher volume level. Naturally, distortion will also be increased. Please refer to the 'Options Menu Adjustment' section on this page for details on how to turn distortion limiting on and off.

Options Menu Adjustment

Beeps, Speed Dependent Volume and Dynamic Distortion Limiting, can all be adjusted using the Options Menu:

1. Turn off the radio using the **OFF** button 13.
2. Push and hold the **ON** button 13 and the preset **1** button 7 until the display shows 'OPTION MENU', then release the buttons. The display will then show the current setting for Confirmation beeps.
3. Press the volume knob 11 briefly to scroll through the options [Confirmation Beeps, Speed Dependent Volume (SDV) and Dynamic Distortion Limiting (DDL)], and their current settings.
4. Turn the volume knob 11 clockwise or anti-clockwise to adjust the displayed setting.

Exiting Options Menu

When all adjustments have been made press the **OFF** button 13 to exit the menu. The adjustments made to the Confirmation Beeps, SDV or DDL, will become effective the next time the radio is turned on.

Please Note:
If no buttons are pressed or turned for eight seconds the radio will automatically exit the menu and turn on.

Master Reset

The radio has a reset function built in to enable you to instantly reset all adjustable parameters to the factory standard. This feature is most useful when adjustments have been made that affect the sound quality or operation of the unit and you are unsure of how to return the original neutral settings. Master Reset will make the following changes:

- Bass, Treble, Fader, Balance to standard
- DDL on
- Confirmation Beeps on
- Speed Dependent Volume to setting 2
- Equalizer off (and boost to standard)

Performing the Master Reset

1. Turn off the radio.
2. Simultaneously press and hold the preset **4** button 7 and the **ON** button 13 for 2 seconds.

After the reset, the radio will turn on with the standard settings, no message will be displayed.

Car Telephone

This radio includes a telephone input facility. The telephone connection point in the car's wiring (see your Owner's Handbook) contains circuits that run directly to the radio. If a mobile phone hands-free kit with suitable features (such as a mute line and wiring for a separate speaker) has been connected to it, the sound of the radio will be muted when the phone rings and the voice of the caller will be heard through the car's speakers. When the call ends the radio will return to the previous mode.

During a call 'VOICE IN' will be shown on the display.

If the radio system is off, it will turn on for the telephone call if the car's accessories or ignition is already switched on.

If a call is in progress when the accessories are turned off, the radio will remain turned on in Telephone mode until the phone call is completed.

Volume, Bass, Treble, Fader and Balance can all be adjusted in the Telephone mode without affecting these settings in radio or CD mode.

Important:

When this feature is used for the first time, the volume may need to be adjusted on the phone as well as the radio. This should be done while a call is being made. Firstly, adjust the phone's volume to a medium level using the volume control on the phone itself, then adjust the radio's volume to a comfortable listening level. The radio's volume may now be adjusted as required to compensate for variations in the mobile phone signal quality or changes in the background noise within the car, e.g. if the window is wound down.

Please Note:

If the call sounds unusually distorted, the volume setting on the phone itself may need to be adjusted until the sound quality is improved.

Please contact your Holden Retailer or Blaupunkt for further information.

Please note that all information, illustrations and specifications in this Handbook are based on the latest production information available at the time of printing.
Holden reserves the right to make changes at any time without notice and without incurring any obligation.

© 2002 Holden Ltd.
Reproduction in whole or in part is prohibited without written approval from Holden Ltd., ABN 84 006 893 232.

470

Holden Part No: 92096470

Bosch Part No: 8 622 402 491